WHAT IS CLAIMED IS:

1.   1.   A system for recovering a table comprising:

2.   a table recovery system; and

3.   a tablespace access system coupled to the table

4. recovery system, wherein the tablespace access system is

5. operable to restrict access to the tablespace to read-only

6. access.

    2.   The system of claim 1 wherein the table recovery

system further comprises a log record sorter system operable to

sort log records from a log record file.

    3.   The system of claim 2 further comprising a data page

updater system coupled to the log record sorter system operable

to apply log record updates to a data page.

1.   4.   The system of claim 3 further comprising a data page

2. scanner system coupled to the data page updater system, the

3. data page scanner system operable to locate records associated

4. with a table in a data page.

1   5.   The system of claim 4 further comprising a page row

2 extractor system coupled to the data page scanner system

3 operable to extract page rows from a data page that has been

4 located by the data page scanner system.

1   6.   The system of claim 5 further comprising a table row

2 inserter system coupled to the page row extractor system

3 operable to write extracted page rows to the table.

1   7.   A method for recovering a table that depends on a

2 tablespace, said method comprising:

          allowing at least one other table to have read-only

   access to the tablespace; and

          using a backup copy of the tablespace to restore the

   table.

1   8.   The method of claim 7, further comprising allowing

2 said at least one other table to have update access to the

3 tablespace when the table is restored.

1   9.   The method of claim 7 wherein using the copy of the

2 tablespace to restore the table comprises:

3   deleting all rows of the table;

4   locking out access to indexes of the table;

5   applying log records to the tablespace backup copy to

6 update the tablespace backup copy;

7   building new table data pages with the updated tablespace

8 backup copy; and

9   updating the table with the new table data pages.

10.   The method of claim 9 wherein applying log records to
the tablespace backup copy to update the tablespace backup copy
further comprises:

reading the log records from a log record file to a log
record workspace;

sorting the log records; and

applying the log records to the tablespace backup copy.

1   11.   The method of claim 9 wherein building new table data

2 pages with the updated tablespace backup copy comprises

3 scanning the new table data pages for records that belong to

4 the table being recovered.

1 12. A method of recovering a first table that depends on
2 a tablespace, said method comprising:

3   receiving a backup copy of the tablespace;

4   reading log records associated with the first table;

5   applying the log records to the backup copy;

6   building new table data pages from the backup copy;

7   scanning the new table data pages for records of the first

8 table; and

9   updating the first table from the records.

13. The method of claim 12, further comprising:

limiting access of a second table to the tablespace to

read-only before the first table is updated, wherein the second

table depends on the tablespace.

1   14. The method of claim 13, further comprising:

2   providing update access to the second table after the

3 first table is updated.

1   15. The method of claim 12, further comprising sorting

2 the log records.

1   16. The method of claim 12 wherein the first table

2 comprises rows and indices, the method further comprising:

3   deleting the rows; and

4   locking out the indices.